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(Conv) BISI 604

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Temperature Distribution in the Welding Flame and Its Effect on Cracking in Thin Chromansil, by N. N. Rykalin, M. Kh. Shorshorov.

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The Wedge Welding Specimen for Gauging the Effects of the Cooling Rate on Polygonizati on in Welds of Single-phase Structure, by Yu. L. Krasulin and M. Kj. Shorshorov, 5 pp.

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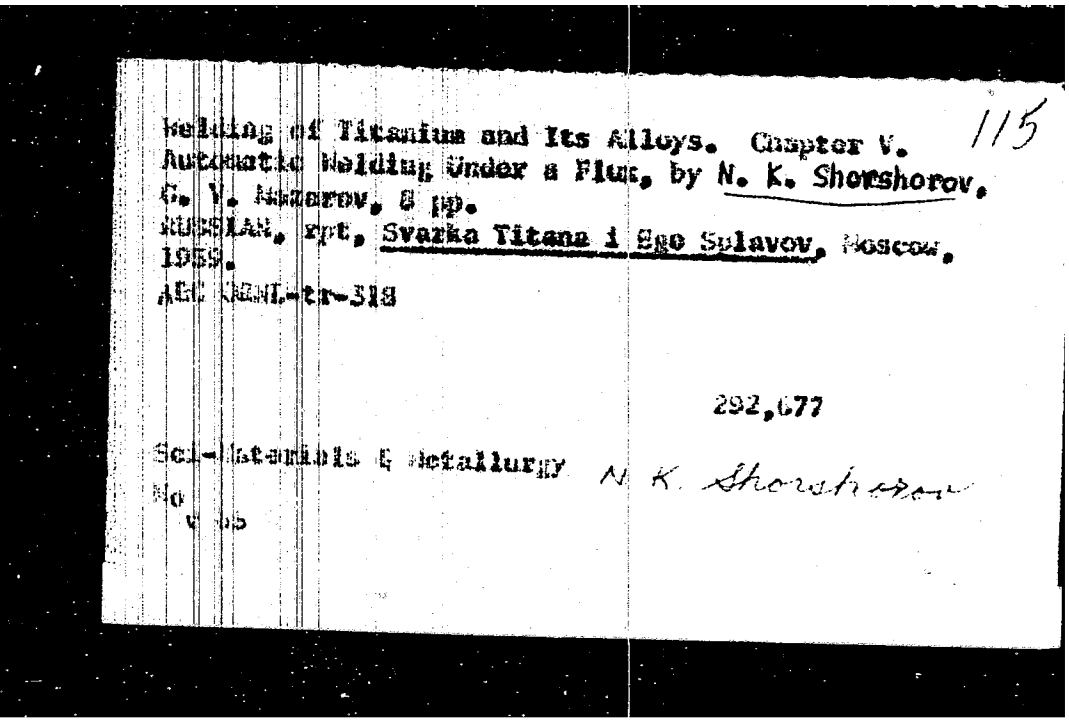

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Short, James Newton,
COPOLYMER OF UNORDERED DISTRIBUTION WITH LOW CONTENTS OF VINYL GROUPS AND TRANS GROUPS. Aug 62, 4200 words.
Order from CTS(Chem) $16.80 CTS(Chem)-289
subsequent copies $2.80/ea.

Trans. of French patent 1 278 818, Internatl. cl. B 01 j -C 08 d, appl. no. 846 674, by Phillips Petroleum Co. (U. S. A.) appl. filed 12 Dec 60, granted by decree of 6 Nov 61 (pat. appl. filed U. S. A. 31 Dec 59 under no. 863 076, in the name of applicant). (Bulletin Officiel de la Propriété Industrielle (France) 1961, no. 50).

DESCRIPTORS: *Elastomers, *Butadienes, *Vinyl radicals, Catalysts, *Metalorganic compounds, Lithium, Hydrocarbons, Isoprene

(Chemistry--Organic, TT, v. 8, no. 7)

62-22384

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II. Patent (France) 1 278 818
III. Patent application (U. S.) 863 076/59
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On Biocoenoses, by A. A. Shorygin.

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On the Theory of the Intensities of Raman Lines. V. The Classical Model (Transformation of Light by a Linear Oscillator with Periodically Varying Parameters) by L.L. Krushinskii and I. I. Shorygin, 6 pp.

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Shorygina, N. N. and Izumrudova, T. V.
CONTEMPORARY CONCEPTS ABOUT THE STRUCTURE, THE PROPERTIES AND THE MANNERS OF APPLICATION OF LIGNINS (Sovremennye Predstavleniya o Stroenii, Svoistvakh i Putyakh Ispol'zovaniya Ligninov). [1961] [36]p. (foreign text included) 71 refs.
Order from OTS or SLA $3.60 62-10448

Trans. of Khim[icheskaya] Nauka i Prom[yshlennost'] (USSR) 1959, v. 4, p. 747-756.

DESCRIPTORS: *Lignin, Chemical analysis, *Wood pulp, Processing, Wood.

(Materials--Wood, TT, v. 8, no. 3)

62-10448

I. Shorygina, N. N.
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21985

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The Cleavage of Simple Ether Bonds by Metallic Sodium in Liquid Ammonia, by N. N. Shorygin, A. F. Semechkina, 6 pp.

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Some Aspects of the Classical Theory of Resonance Transformation of Light by Molecules, by L. L. Krushinskiy, P. P. Shorygin, 6 pp.

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Shorygin, P. P. and Shorygina, N. V.
POLYMERIZATION ABILITY OF SUBSTITUTED STYRENES DEPENDING UPON THEIR STRUCTURE [Izuchenie Sposobnosti k Polimerizatsii Zameshchennykh Stirolov v Zavisimosti ot Ikh Stroeniya]. [1961] 9p.
12 refs.
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Trans. of Zhurnal Obshchei Khimii (USSR) 1935, v. 5 [no. 4] p. 555-561.
Another trans. is available from SLA as RT-1012.

DESCRIPTORS: Styrenes, Polymerization, Substitution reactions, Polymers.

(Unannounced)

61-20103

I. Shorygin, P. P.
II. Shorygina, N. V.

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Shorygin, P. P.
QUANTITATIVE MOLECULAR SPECTRAL ANALYSIS.
[1961] 7p. 6 refs.
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Condensed trans. of Zhurnal Fizicheskoi Khimii (USSR) 1941, v. 15, no. 10, p. 1072-1081.

DESCRIPTORS: *Quantitative analysis, *Raman spectroscopy, Theory, Toluenes, Methyl radicals, Cyclohexanes, Hydrocarbons.

The range of applicability of quantitative analysis by the Raman spectra method and factors affecting the width and intensity of Raman lines are discussed. Data are given on the distribution of intensities in the spectra of toluene and methylcyclohexane and examples cited of analysis of complex mixtures of hydrocarbons. The available data point to a method of quantitative analysis of individual hydrocarbons in light motor fuels. (Author)

(Chemistry--Analytical, TT, v. 6, no. 7)

61-16694

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A Consideration of the Vibration Structure of the Electron Excitation Levels of Molecules in the Quantum Theory of Light Scattering, by L. L. Krushinskiy, P. P. Shorygin, 5 pp.

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Spectroscopic Investigations of [illegible] N-Vinyllactams and Anilides, by P. P. Shorygin, T. N. Shkurina, M. F. Shostakovskiy, F. P. Sidel'kovskaya, M. G. Zelenskaya, 5 pp.

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On the Theory of the Raman Spectra of Light,
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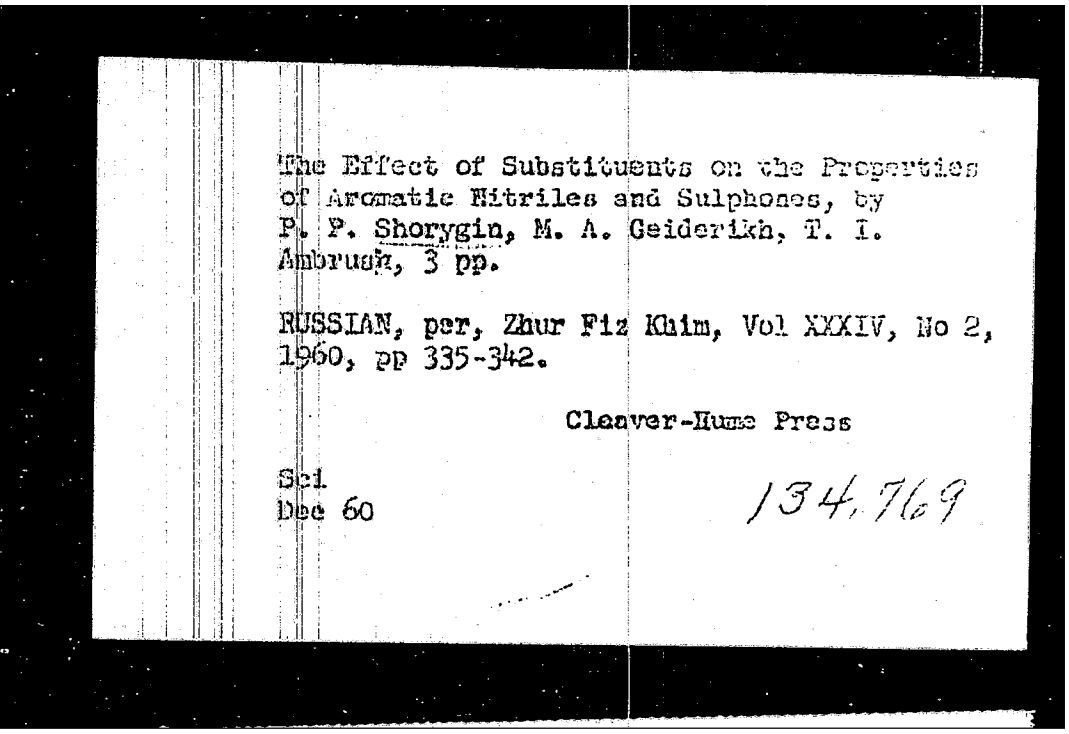

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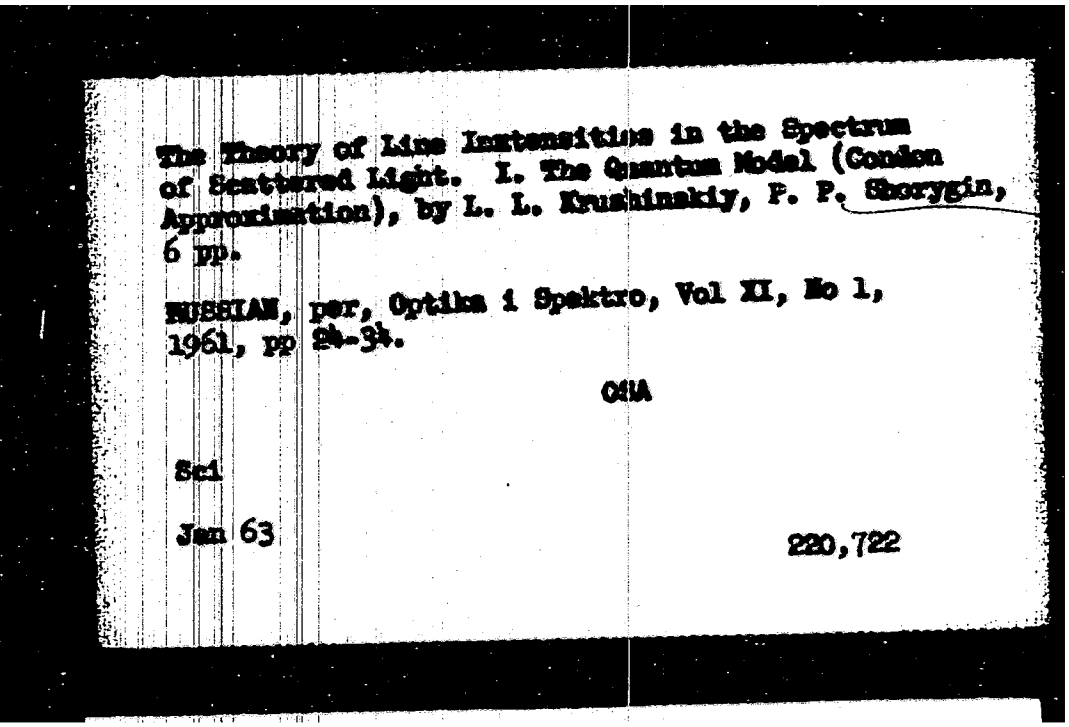

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The Synthesis of p-Methylbenzyl acetate From Toluene, by P. P. Shorygin, A. V. Bogdanova, 5 pp.

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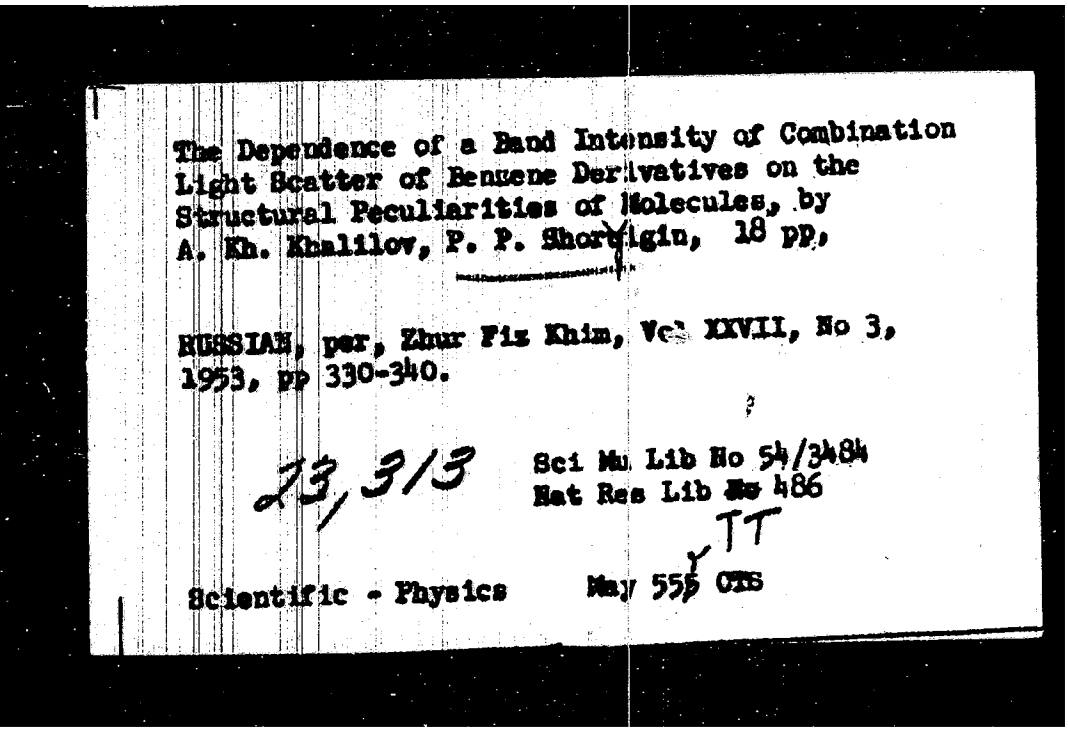

The Dependence of a Band Intensity of Combination Light Scatter of Benzene Derivatives on the Structural Peculiarities of Molecules, by A. Kh. Khalilov, P. P. Shorygin, 18 pp,

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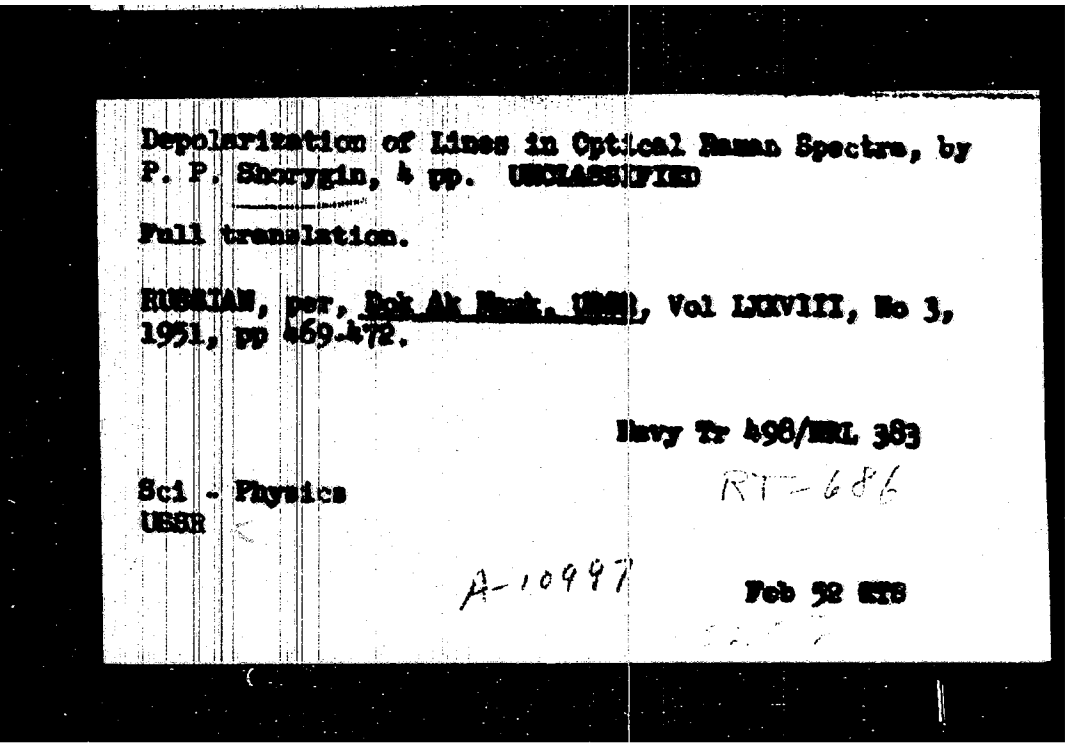

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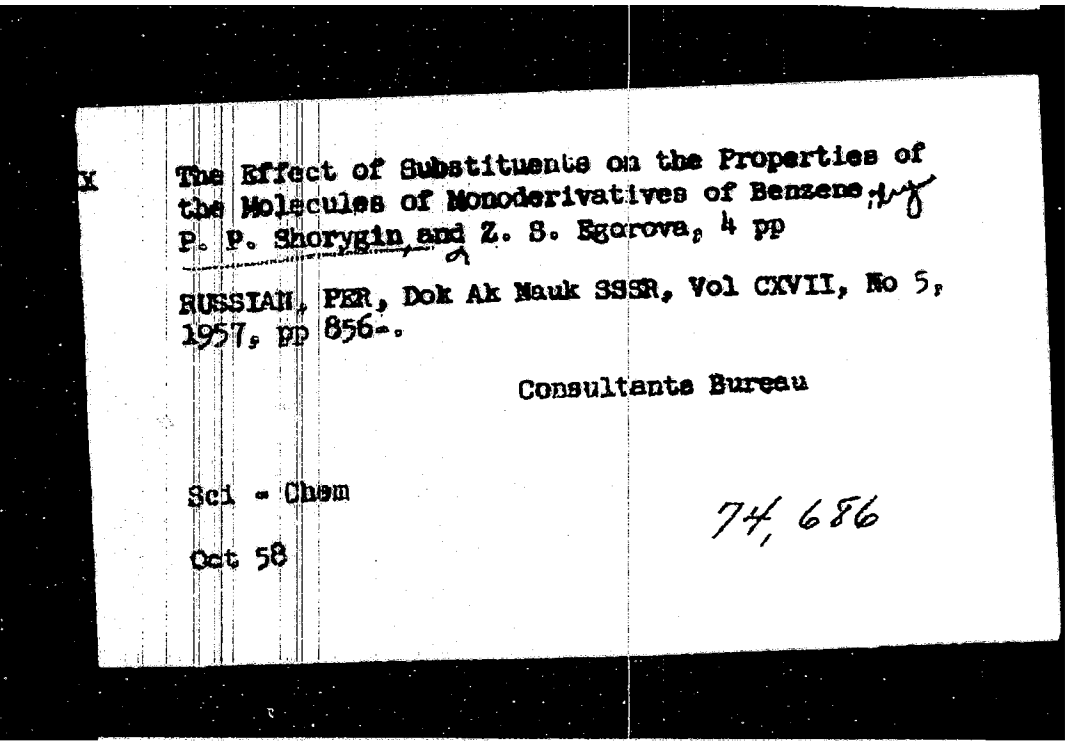

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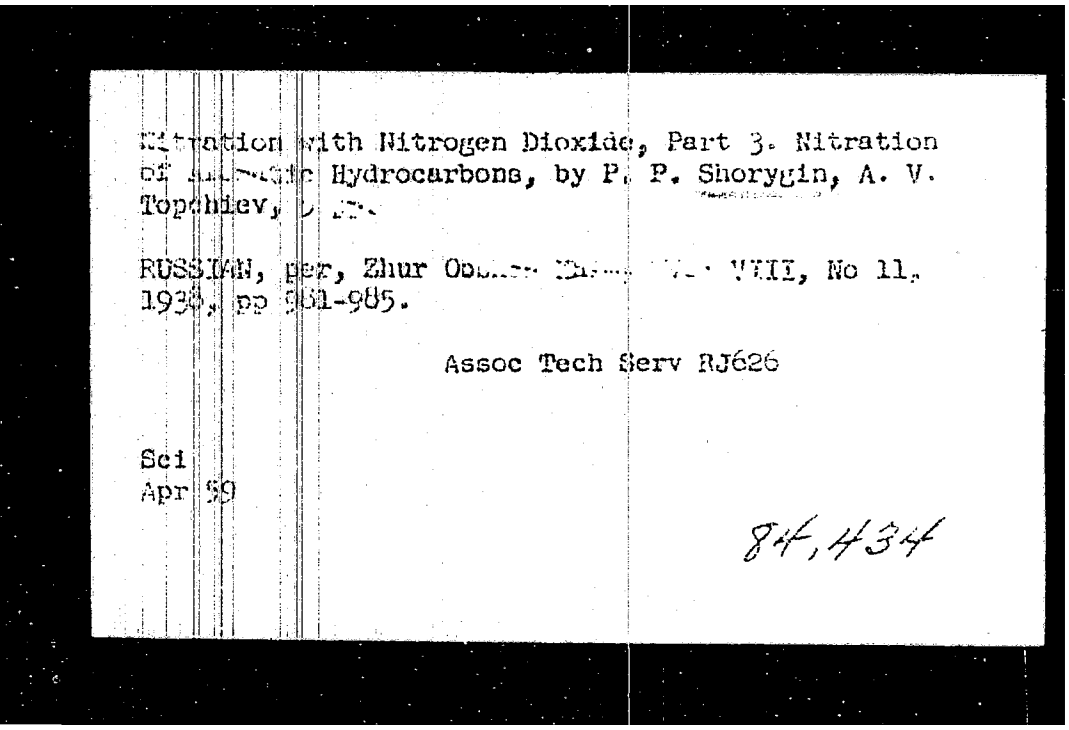

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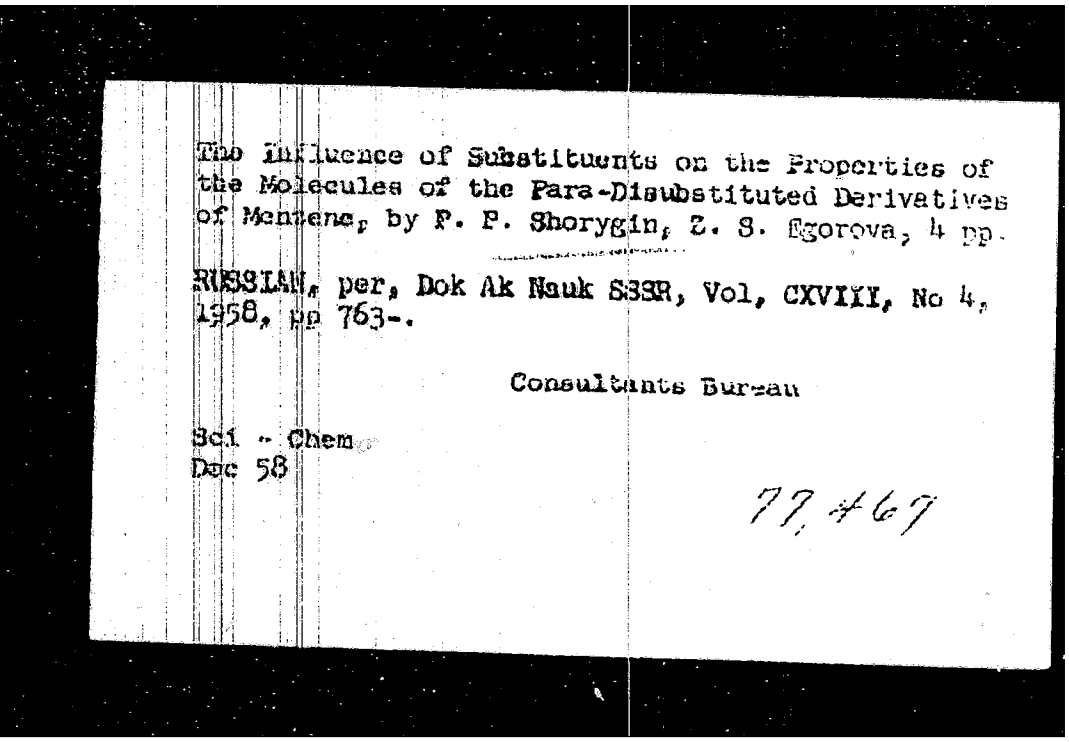

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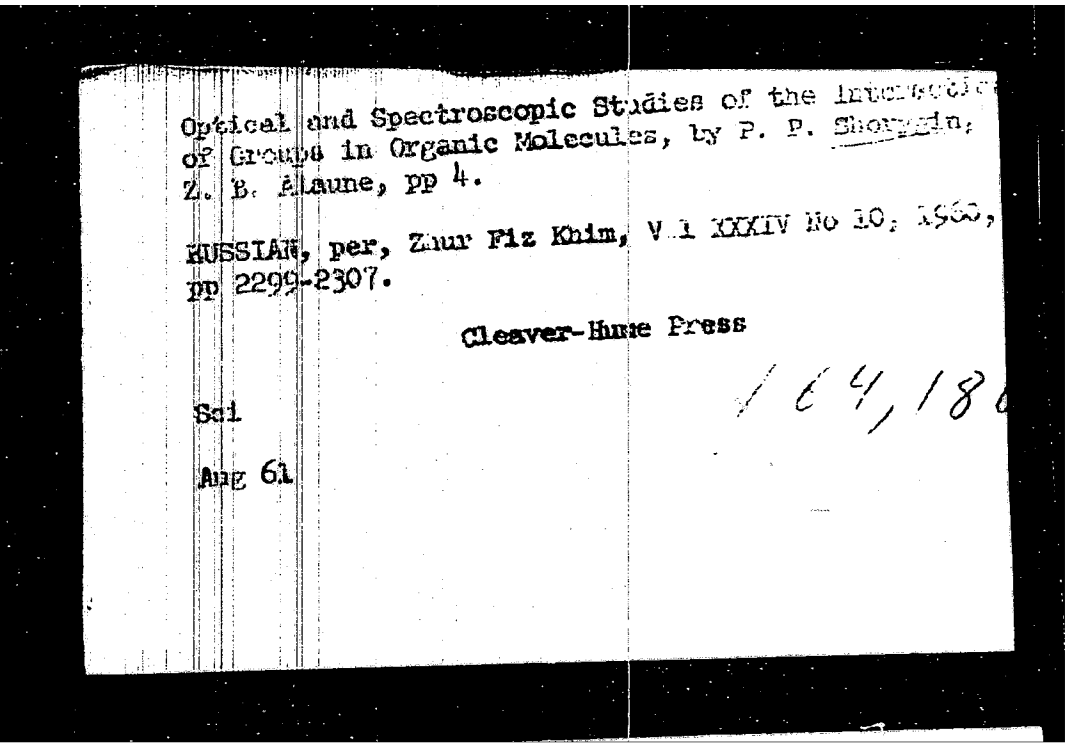

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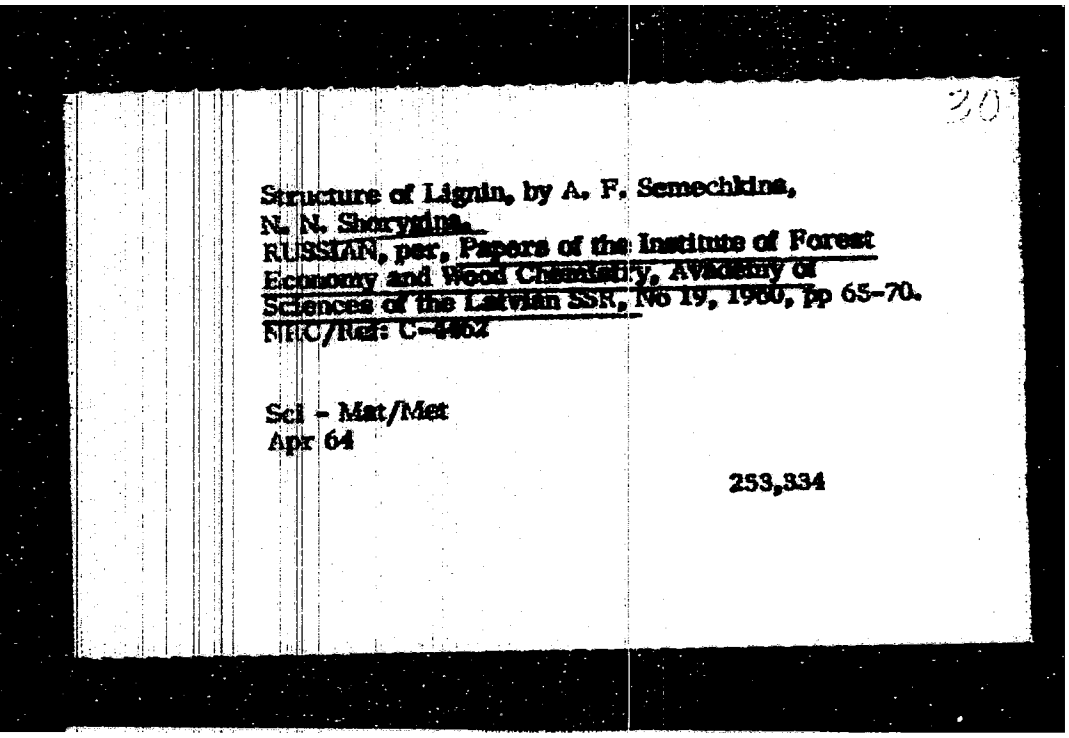

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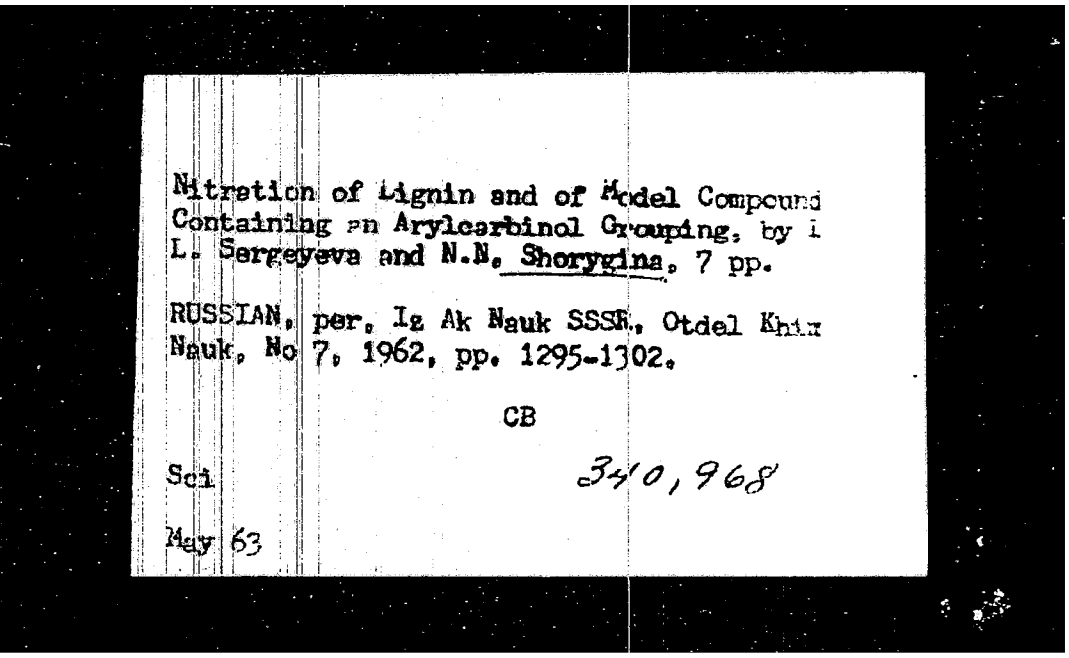

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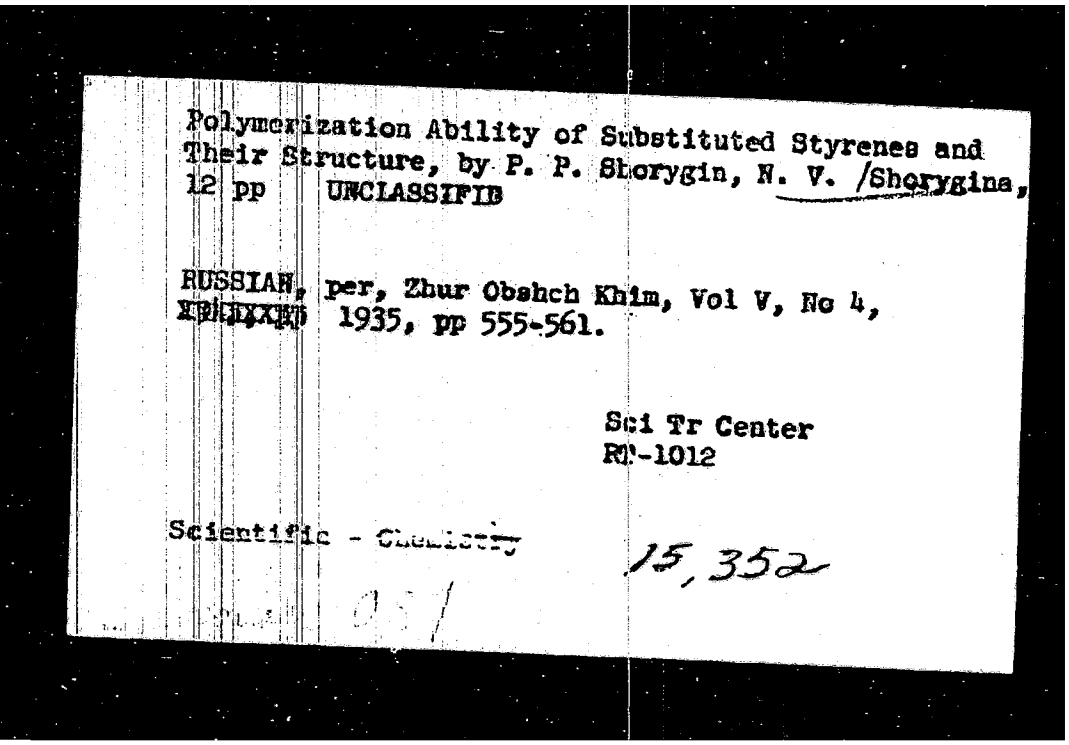

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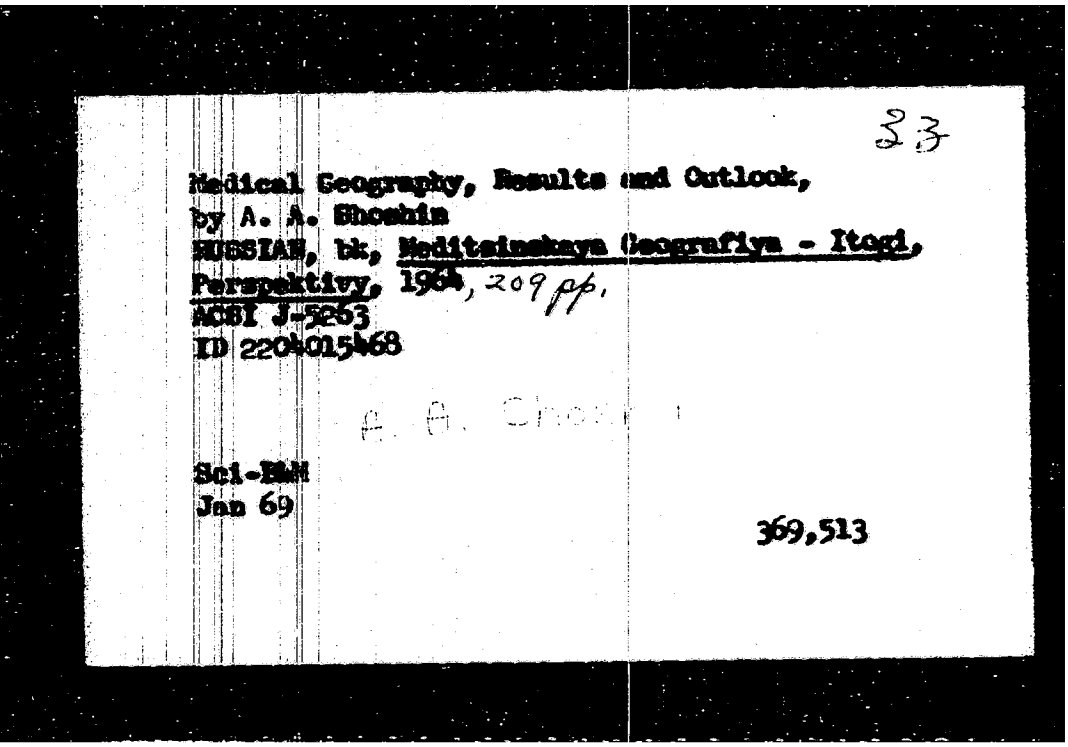

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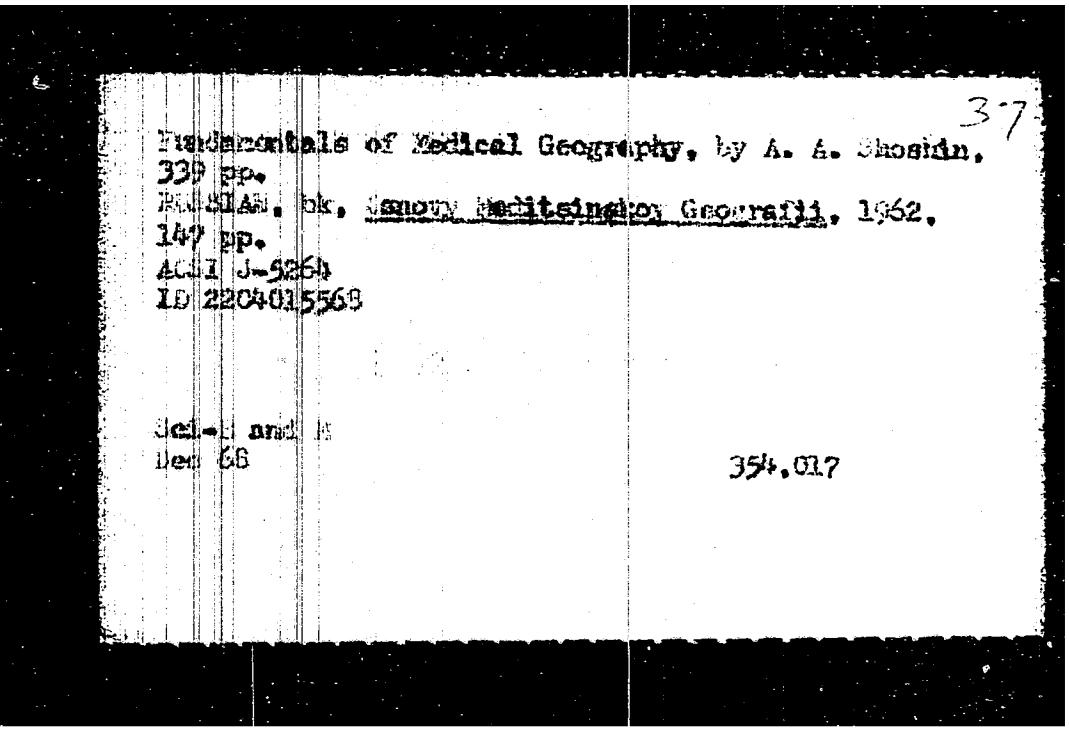

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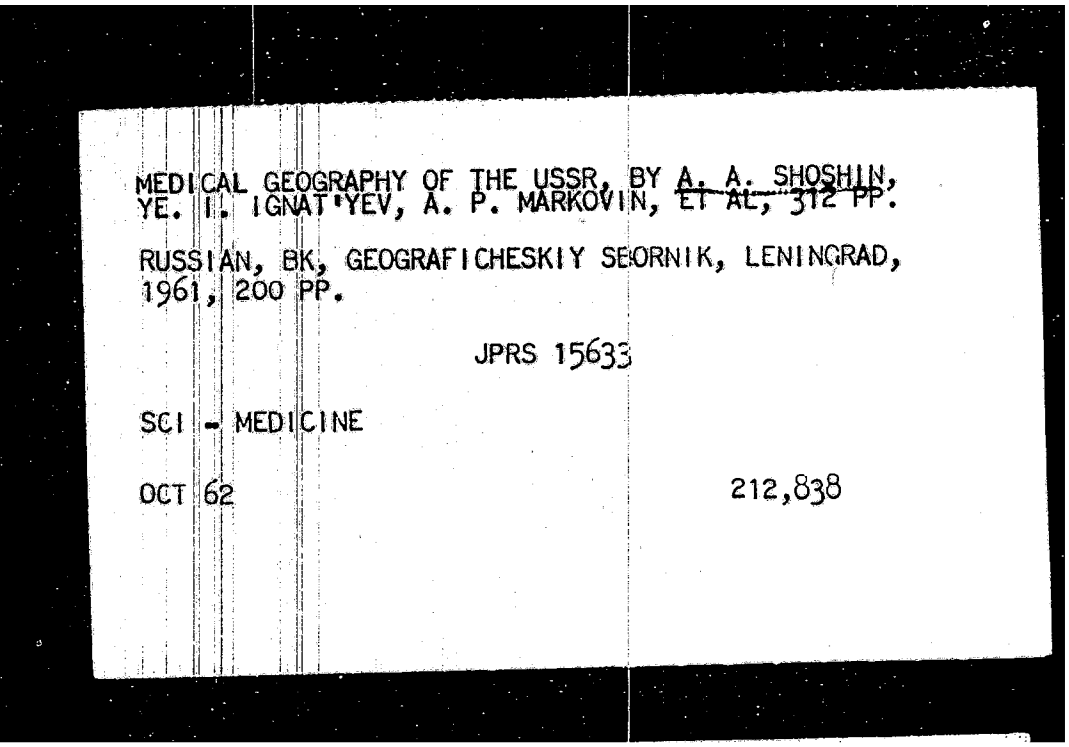

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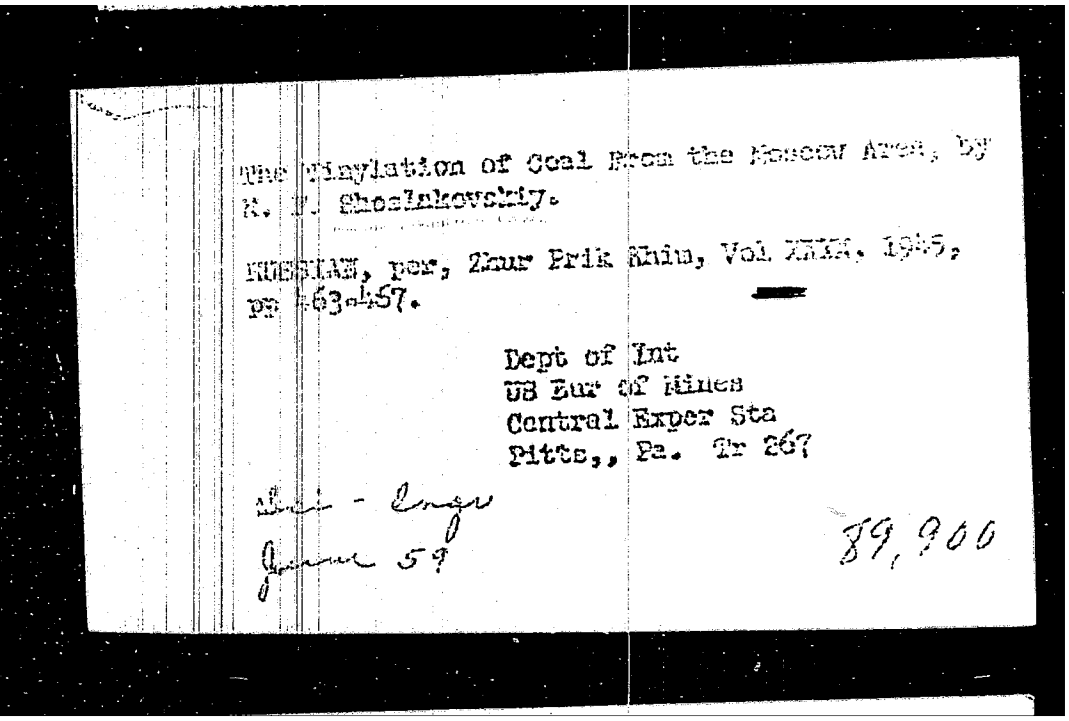

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